AMSAT News Service Weekly Bulletins
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SB SAT @ AMSAT $ANS-246.01
WISP DOWNLOAD STEPS FROM DRIG

HR AMSAT NEWS SERVICE BULLETIN 246.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 3, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-246.01

How To Download The AMSAT WISP MICROSAT Telemetry Program

The Dallas Remote Imaging Group (DRIG) BBS will carry the latest updates
to the WISP Microsat packet radio programs on the system. Roy Welch (W0SL)
will be uploading both the entire package and the Dynamic Link Library (DLL)
updates to DRIG as soon as the executables are available.

The WISP files will be available to all users, even brand new members who
have not yet fully registered.

To find the latest version, log on to the DRIG BBS in Dallas at:
214-394-7438

Your communications program parameters should be:
28.8Kbps to 2400 bps (1200 is too slow and not supported)

N parity
8 data bits
1 stop bit

Log on and if you are a new user, answer Yes to Register with us (if you
answer no, you will not be able to download files). Answer the requested
information (type in your own first name, last name, password, city, state,
full address, telephone, etc) for our database for any new mailings or
postings you would be interested in.

>From the Main Menu, do the following:

Z WISP 7

The Z is a Zippy search to find the character string WISP

7 is the Microsat telemetry program files area

A listing of all of the WISP programs in File Areas 7 (Microsats)
will be displayed.

Picked the NEWEST one by the name WISPNEW.ZIP

Pick up only the latest changes by the name WISPUPDT.ZIP

Use Zmodem or any other binary protocol to download!

You may download the file from the Main menu by typing the
following:

D WISPNEW.ZIP (type in this WISP filename for a new complete file)
D WISPUPDT.ZIP (type in this WISP filename for the lastest updates only)

If it asks for a Protocol, the fastest is Zmodem (xmodem, ymodem, kermit,

also work o.k.)

The system will come back with a listing of files you want to download.
Just hit enter, and if you want to log off immediately after the download
is complete, simply type G for goodbye in the command line when asked.

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BULLET90 is the file to download for NASA 2-line Keps (updated weekly)

BULLET93 is the file to download for AMSAT style keps (updated weekly)

If you get industrious, also download the DRIG informatin file:
DRIGINFO.ZIP and DRIGLIST.ZIP which is a COMPLETE listing of all
7 gigabytes of files on the DRIG BBS! And of course, any problems, simply
enter C for Comment to Sysop and will will be glady to help you out!

Dallas Remote Imaging Group
Satellite Imagery BBS
214-394-7438
info@drig.com
1:124/6509

Voice 214-394-7325
FAX   214-492-7747
BBS   214-394-7438

Internet FTP and Telnet 56Kbps lines are being installed in November
for direct access over the Internet!

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SB SAT @ AMSAT $ANS-246.01
AMSAT-NA SPACE SYMPOSIUM AGENDA

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AMSAT-NA Space Symposium & Annual Meeting Scheduled For 7-9 Oct '94

1994 AMSAT-NA Annual Meeting
and Space Symposium
Holiday Inn, Orlando International Airport, Florida
October 7-9, 1994

Friday, October 7, 1994
11:00 - 5:00 PM Registration - International Ballroom Entrance
1:00 - 5:00 PM Session A - Mission Status Briefings - International Ballroom
1:00 - 1:30 PM Frank Bauer: "SAREX Update '94"
1:30 - 2:00 PM Joan Freeman KD4SRD: "A SAREX Case Study"
2:00 - 2:45 PM Dennis Wingo KD4ETA: "SEDSAT1 Update SEDSAT2; Amateur
Radio in Lunar Orbit"
2:45 - 3:00 AM Break
3:00 - 3:30 PM Dan Schultz N8FGV: "Hubble Space Telescope Photographs"
3:30 - 4:00 PM Robert Diersing N5AHD: "DOVE Back On the Air"
4:00 - 4:30 PM David Liberman XE1TU: "UNAMSAT: An Operational Guide"
4:30 - 5:00 PM Philip Chien KC4YER: "Launch Opportunities Beyond Phase-3D"

Saturday, October 8, 1994
7:30 - 8:00 AM Registration - International Ballroom Entrance
8:00 - 11:45 AM Session B - Orbital Science and Systems - International

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                      Ballroom
8:00 - 8:05 AM Bill Tynan W3XO: "Welcome & Introduction"
8:05 - 8:10 AM Al Brinkerhoff WB5PMR: "Symposium Opening Remarks & Orientation"
8:10 - 9:00 AM Prof. Robert Twiggs: "Investigating the Integrated Control of
                            Payloads: The Stanford SQUIRT MICRO-
                            Satellite Program"
9:00 - 9:30 AM Keith Pugh W5IU "Quiktrak for Windows"
                          by Bob McGwier N4HY
9:30 - 10:00 AM Tom Clark W3IWI: "Where Am I and What Time Is It?"
10:00 - 10:15 AM      Break
10:15 - 10:45 AM      Walter K. Daniel KE3HP: "Use of Star Cameras for
                                    Attitude Determination of
                                    Amateur Radio Satellites"
10:45 - 11:15 AM      Doug Loughmiller KO5I "UoSAT: The Successful
                                  Evolution..."
11:15 - 11:45 AM      Greg Jones WD5IVD: "The TAPR/AMSAT DSP-93 Project"
                                with Bob Strickland N5BRG,
                                Robert Diersing N5AHD, and
                                Frank Perkins WB5IPM

11:45 - 1:00 PM Lunch Break


1:00 - 5:00 PM Session C - P3D Design Review - International Ballroom
1:00 - 1:05 PM Bill Tynan W3XO: "Phase 3D; A New Era for Amateur Satellites"
1:05 - 1:35 PM Dick Jansson WD4FABP3D "Mechanical and Thermal Design"
1:35 - 2:05 PM Dr. Karl Meinzer DJ4ZC: "P3D RF Subsystems and Attitude Control"
2:05 - 2:30 PM Stan Wood WA4NFY: "Antenna Designs of the P3D Spacecraft"
2:30 - 2:45 PM Lyle Johnson WA7GXD: "The P3D IHU and RUDAK-U"
2:45 - 3:00 PM Peter Guelzow DB2OS: "The P3D RUDAK-E"
3:00 - 3:15 PM Break
3:15 - 3:30 PM Dick Daniels W4PUJ: "The P3D Propulsion System"
3:30 - 4:10 PM Tom Clark W3IWI: "The P3D GPS Experiment"
4:10 - 4:20 PM WA1UVP & W3IWI: "The P3D GPS Hardware"
4:20 - 4:30 PM N3EUA,KD9KX,WA7GXD: "The P3D GPS Computer System"
4:30 - 4:40 PM W3IWI, WA5FXE: "The P3D GPS Antennas"
4:40 - 4:55 PM Doug Loughmiller G0SYX: "AMSAT-UK Contributions to P3D"
4:55 - 5:00 PM Steve Park WB9OEP: "Symposium Concluding Remarks"

6:00 - 7:00 PM Social Hour and Cash Bar - International Ballroom Lobby
7:00 - 11:00 PM Banquet and Annual Meeting - International Ballroom
Speaker: Dr. Paul Shuch N6TX, "The Search for Dark Matter"

Sunday, October 9, 1994
7:00 - 9:00 AM Area Coordinators Breakfast - Continental Room
9:00 - 2:00 PM Bus Tours to the P3D Integration Facility
10:00 AM Open Board of Directors Meeting - Continental Room
9:00 - 1:30 PM Session D - Satellite Operating - International Ballroom
9:00 - 9:30 AM Keith Baker KB1SF: "Beginners Forum"
9:30 - 10:00 AM Robert Diersing, N5AHD: "Examination of AO-16 and UO-22
                             Activity"
10:00 - 10:30 AM      Dr. Paul Shuch N6TX: "Orbital Analysis by Sleight
                                  of Hand"
10:30 - 11:15 AM      Ed Krome, KA9LNV:  "Basics of Mode-S Operation &
                                Feeds for Mode-S Dish Antennas"
11:15 - 11:45 AM     Doug Varney WA1UVP: "MMICs at S-Band"
11:45 - 12:15 PM     Gould Smith WA4SXM: "Beginners Guide to Radio Sputniks"
12:15 - 12:45 PM     Ned Stearns AA7A:   "A Major Field Day Satellite
                                Operation"
12:45 - 1:00 PM Roy Welch W0SL: "AMSAT Software"
1:00 - 1:30 PM John Hansen WA0PTV: "Software for the Digital Birds"

Note: Eligibility for prizes and attendance at the Annual Meeting does not
require purchase of a Banquet Ticket.
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Registration and information about hotel rates and discounts can be obtained
by calling AMSAT-NA Office Manager, Martha Saragovitz (NOCALL) by phone or
writing to:
           AMSAT
           850 Sligo Ave., Suite 600
            Silver Spring, MD 20910
           Telephone:  (301) 589-6062
             FAX:        (301) 608-3410

Don't delay in making your reservations and registering for what will be
a great AMSAT Symposium!

/EX
SB SAT @ AMSAT   $ANS-246.03
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 246.03 FROM AMSAT HQ
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Weekly OSCAR Status Reports: 27-AUG-94

AO-13: Current Transponder Operating Schedule:
M QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Jul 11 - Sep 12
Mode-B  : MA   0 to MA  90 |  Omnis   : MA 230 to MA  30
Mode-BS : MA  90 to MA 120 |
Mode-S  : MA 120 to MA 122 |<- S beacon only
Mode-S  : MA 122 to MA 145 |<- S transponder; B trsp. is OFF
Mode-S  : MA 145 to MA 150 |<- S beacon only
Mode-BS : MA 150 to MA 180 |        Blon/Blat 180/0
Mode-B  : MA 180 to MA 256 | Move to attitude 230/0, Sep 12
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   N QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Sep 12 - Dec 19
   Mode-B  : MA  30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses
   Mode-B  : MA 150 to MA 190 |       max duration 2h 12m
   Mode-BS : MA 190 to MA 218 |
   Mode-S  : MA 218 to MA 220 |<- S beacon only
   Mode-S  : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
   Mode-B  : MA 230 to MA  30 |        Alon/Alat 230/0
   Omnis   : MA 250 to MA 140 |  Move to attitude 180/0, Dec 19
  The battery charge state is of paramount importance during the eclipse
  seasons.  As always the command team may have to have to make temporary
  changes to the published schedule.  In that case we will try to minimize
  the inconvenience, setting Mode-B OFF from MA 230-256 in the first
  instance.
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[G3RUH/DB2OS/VK5AGR]

AO-16: AO-16 is working well. [WH6I]

KO-23: KO-23 is working well. [WH6I]

KO-25: KO-25 seems again to be in one of its "deaf" modes.  The BBS seems
to be there but WH6I can't seem get it to respond at all and he never sees
anyone in the link.  [WH6I]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly
OSCAR status reports.  If you have a favorite OSCAR which you work on a
regular basis and would like to contribute to this bulletin, please send
your observations to WD0HHU at his CompuServe address of 70524,2272, on
INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO
area, WD0HHU @ N0QCU.  Also, if you find that the current set of orbital
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elements are not generating the correct AOS/LOS times at your QTH, PLEASE
INCLUDE THAT INFORMATION AS WELL. The information you provide will be of
value to all OSCAR enthusiasts.

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